

## Infrared Gas Monitors MYCO<sub>2</sub> Range

# MYCO<sub>2</sub>

FOR CO<sub>2</sub>



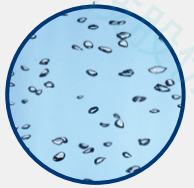
The MYCO<sub>2</sub> infrared gas sensor range offers high quality detection and measurement of CO<sub>2</sub>, using diffusion aspiration technology, to provide accurate and reliable determination of gas concentrations.

MYCO<sub>2</sub> is mounted in a robust case, rated IP65 against the ingress of particulates and water. This instrument can be wall-mounted if desired and is designed to provide continuous monitoring of environmental CO<sub>2</sub>, without the need for a sampling pump.

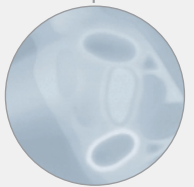
These instruments are based on our Gascard II OEM CO<sub>2</sub> sensor design, giving reliability, accuracy and long-term stability with low maintenance requirements. This can be attributed to our proprietary dual-wavelength infrared sensor technology and over thirty years of sensor design and manufacturing experience.

These versatile instruments come with the option of a 4-digit LCD display and can also be supplied with an RS232 interface adapter for advanced output signal processing.

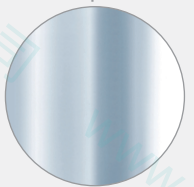
MYCO<sub>2</sub> instruments are available in three measuring ranges, namely 0-2000ppm, 0-3000ppm and 0-5000ppm CO<sub>2</sub> by volume.



GAS SENSORS



ANALYTICAL INSTRUMENTS

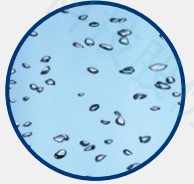


LASERS AND ELECTRO-OPTICS



QUANTUM DIVISION



TECHNICAL  
SPECIFICATIONSMYCO<sub>2</sub>

MODEL	Gas	Accuracy*	Stability	Repeatability	Repeatability
				@ zero	@ span
MYCO <sub>2</sub> (0-2000ppm)	CO <sub>2</sub>	+/-2.5% of range	+/- 2.5% of range over 12 months	+/- 0.3%	+/- 2%
MYCO <sub>2</sub> (0-3000ppm)	CO <sub>2</sub>	+/-2% of range	+/- 2% of range over 12 months	+/- 0.3%	+/- 1.5%
MYCO <sub>2</sub> (0-5000ppm)	CO <sub>2</sub>	+/-2% of range	+/- 2% of range over 12 months	+/- 0.3%	+/- 1.5%
RESPONSE TIME:	T <sub>90</sub> = less than 30 seconds				
OPERATING TEMPERATURE:	0-45°C				
WARM-UP TIME:	1 minute (initial), 30 minutes (full specification)				
HUMIDITY:	Instruments are unaffected by 0-99% relative humidity, non-condensing				
CONTROLS FITTED:	Zero and span adjustment potentiometers Bitswitch selection of various parameter options				
LINEAR OUTPUT:	4-20mA or 0-20mA output, 500 Ω maximum load; 0.006 mA resolution				
BITSWITCH PARAMETERS:	Analogue (current) output: 0 - 20mA or 4 - 20mA Linear/non-linear alarm settings: 2 high, 2 low, or 1 high & 1 low Response time: standard = 10 seconds; fast = 1 second; slow = 32 seconds; or programmable Temperature correction: corrected or uncorrected Resolution: rounded last digit, or full resolution				
EXPANSION FACILITIES:	2 adjustable alarm setpoints; 2 alarm indicators; 2 alarm relay outputs; 1 fault indicator 1 fault relay output; remote zero and span potentiometers				
OPTIONS:	4-digit LCD RS232 Interface adapter Voltage output OEM (unboxed) version - Gascard II				
POWER REQUIREMENTS:	24V DC (18-30V)				
POWER CONSUMPTION:	6 Watts				
WEIGHT:	0.9Kg				
DIMENSIONS:	200 x 120 x 57 mm				
ENCLOSURE:	Polycarbonate, IP65 rated				
ELECTRICAL CONFORMITY:	CE marked (*stated accuracy includes calibration gas tolerance of +/- 1%)				

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